HOBBS ROAD

S67°24'00"E
113.71'

DRIVEWAY

APPROX PL

N14°43'00"E
190.65'

EXISTING HOUSE

LAWN

PAVED DRIVEWAY

EXISTING TOWN WATER SERVICE

LOT AREA:
0.42 AC±
TAX MAP 14 LOT 23

GARAGE EL 52.6±

DECK

EXISTING 3 BEDROOM HOUSE WITH BASEMENT FIRST FLOOR EL 54.5±

PATIO

TO BE LEVEL

N/F JOHN UPTON

EXISTING SYSTEM

REMOVE FENCE

BM#2
SET NAIL
EL 50.23

BM#1
SET HUB
EL 50.0'

FIND AND REMOVE
EXIS LEACH FIELD

2 SUMP LINES
(CLOSED PIPE)

MEANDERING 4"
PERFORATED DRAIN

S22°29'00"W

172.58'

DRIVEWAY

PAVED

DEED

* DECK AND PATIO TO BE REMOVED TO ALLOW FOR INSTALLATION AND ASSOCIATED REGRADING. EXISTING TANKS TO BE ABANDONED AND FILLED IN PLACE.

LIMIT OF HYDRIC B SOILS

N77°53'00"W
89.34'

APPROX PL

INV EL 47.8±

10" CMP CULVERT

N/F JAMES & ARLENE WALKER TRUSTEES

N/F JAMES & ARLENE WALKER TRUSTEES

Command= 210-
Point#, Start#-End# or G#= 1-255

Bearing	Distance	Elev	Descrip	Pnt.	Northing	Easting	Type
----------01-30-2025-----16:39:59----------D:...\BMHOME13							
		50.00	SETHUB	1	5000.0000	5000.0000	
		51.67	SETHUB	2	5071.4404	5030.3246	TRA
		49.80	@WLL*	3	5028.2215	5033.1422	SS
		48.82	@WLL*	4	5002.5985	5022.2689	SS
		49.34	@PIPES**	5	5001.6678	5011.2773	SS
		48.35	@WLL**	6	4977.1030	5011.7590	SS
		48.64	TOP10CMP	7	4947.9601	5006.3014	SS
		47.92	@WLL	8	4956.8637	5002.5229	SS
		48.97	EPDR**	9	4973.6407	5023.1776	SS
		49.72	EPDR**	10	5018.7691	5043.1660	SS
		48.04	@WLL*	11	4902.6398	4983.2534	SS
		47.24	GND	12	4922.3434	4967.2498	SS
		47.40	GND	13	4926.0808	4949.6466	SS
		48.90	EDGWDS	14	4950.0248	4907.3260	SS
		48.76	EDGLWN	15	4978.3132	4915.8909	SS
		49.15	2"SPRUC	16	4988.9060	4903.2137	SS
		48.38	EDGLWN	17	4972.9808	4942.1486	SS
		48.20	EDGLWN	18	4975.6685	4963.6883	SS
		48.45	EDGLWN	19	4971.6320	4987.5744	SS
		48.68	EDGLWN	20	4980.0422	5001.1333	SS
		49.59	EDGLWN	21	4997.5109	5006.2743	SS
		50.09	EDGLWN	22	5014.8630	5018.5244	SS
		50.55	EDGLWN	23	5037.5233	5031.8221	SS
		52.01	CORHSE	24	5045.0179	5015.8901	SS
		51.44	CORHSE	25	5018.9856	5004.4055	SS
		49.17	EDGLWNF	26	4988.9387	4992.0019	SS
		48.55	EDGLWNF	27	4978.3104	4991.2717	SS
		48.52	EDGLWNF	28	4978.2408	4979.6974	SS
		48.80	EDGLWNF	29	4987.3605	4978.2916	SS
		47.95	ENDSNAKE	30	4963.8503	5004.0868	SS
		48.17	FLGHYD?	31	4963.0227	4981.4932	SS
		48.07	FLGHYD?	32	4966.4978	4969.3755	SS
		48.09	FLGHYD?	33	4960.2599	4956.2155	SS
		48.37	FLGHYD?	34	4960.2386	4942.9975	SS
		49.32	ENDFNC	35	5002.2425	4934.9687	SS
		48.95	LAWN	36	4997.1756	4952.6341	SS
		48.92	LAWN	37	4992.8970	4968.0705	SS
		50.26	LAWN	38	5004.0631	4979.1726	SS
		50.16	LAWN	39	5011.5336	4956.9896	SS

JOB #7 682MILIONE [255]

Bearing	Distance	Elev	Descrip	Pnt.	Northing	Easting	Type
01-30-2025				16:39:59		D:...\BMHOME13	
		50.23	SETNLFNC	40	5017.1521	4941.5757	SS
		52.19	CORHSEFC	41	5043.7694	4952.7057	SS
		52.62	@HSE9.7	42	5062.9560	4924.1542	SS
		51.92	@HSESMP	43	5036.0601	4968.9286	SS
		51.63	CORDECK	44	5026.6607	4973.7994	SS
		51.00	TOPTANK	45	5023.2862	4980.9433	SS
		51.61	CORDECK	46	5021.2925	4986.1328	SS
		54.47	THRSHLD*	47	5030.6158	4982.3882	SS
		51.63	DRYWLL**	48	5024.9546	4973.1991	SS
		51.58	TANK**	49	5022.7649	4981.6019	SS
		51.61	CORHSE**	50	5024.1779	4992.6170	SS
		51.69	CORPATIO	51	5015.4629	4993.8257	SS
		52.03	SILL***	52	5037.6846	5012.4634	SS
		51.52	ENDWLL*	53	5059.6715	5047.8496	SS
		51.49	CORWLL**	54	5089.7935	5060.7824	SS
		51.88	S/O**	55	5110.4173	4984.3149	SS
		53.34	CORHSE	56	5080.9384	4929.4809	SS
		52.67	CORHSE	57	5066.5047	4962.6644	SS
		52.60	@GARDOOR	58	5064.2533	4967.3937	SS
		52.36	CORDECK	59	5068.0410	4988.1514	SS
		54.45	CORDECK*	60	5063.2243	4999.0561	SS
		54.43	CORHSE	61	5054.3142	4994.6306	SS

Point#, Start#-End# or G#= 4-

APPROVAL FOR CONSTRUCTION

CA2014117823 CA2014117823

N.H. DEPARTMENT OF ENVIRONMENTAL SERVICES
SUBSURFACE SYSTEMS BUREAU
P.O. BOX 95, 29 HAZEN DRIVE, CONCORD, NH 03302-0095

APPROVAL NO.

THE PLANS AND SPECIFICATIONS FOR SEWAGE OR WASTE DISPOSAL SYSTEM SUBMITTED FOR:

14 / 23

OWNER: MELISSA/RAIL MILIONE
18 HOBBS RD
NORTH HAMPTON NH 03862-

Map No./Lot No.: PRE67
Subd. Appvl. No.:
Subd. Name: ROCKINGHAM
County: 5034
Registry Book No.: 051
Registry Page No.:
Probate Docket No.: (If Applicable) N

COPY SENT TO:
BUILDING INSPECTOR
233 ATLANTIC AVE
NORTH HAMPTON NH 03862

Type of System: 3 BR 450 GPD

Town/City Location: NORTH HAMPTON

Street Location: 18 HOBBS ROAD

BY APPLICANT: PERMIT NO. 00348

STOCKTON SERVICES
PO BOX 1306
HAMPTON NH 03843-1306

Subsurface waste disposal systems must be operated and maintained in a manner so as to prevent nuisance or health hazard due to system failure. (RSA 485-A:37)

It is unlawful to discharge any hazardous chemicals or substances into subsurface waste disposal systems. Included are paints, thinners, gasoline and chlorinated hydrocarbon solvents such as TCE, sometimes used to clean failed septic systems and auto parts. (Env-Ws 1503.04)

ADVISE YOUR CONTRACTOR OF REQUIRED CHANGES IN PLANS AS INDICATED BELOW CONDITIONS

1. THIS APPROVAL IS VALID FOR 90 DAYS FROM DATE OF SAID APPROVAL, PER ENV-WQ 1003.22.
2. WAIVERS GRANTED - THIS APPROVAL IS GRANTED ONLY TO IMPROVE AN EXISTING SITUATION.
3. APPROVED WITH A PUBLIC WATER SYSTEM ONLY.

Approved this date: 06/05/2014 By: Eric Thomas
ERIC J THOMAS
N.H. Department of Environmental Services Staff

Date amended: _____ Amended by: _____ (OVER)

REVISED 8/01

2014011711

APPLICANT'S

CA2014117823

PT

PERC TEST DATA

REVIEWED AND APPROVED
IN ACCORDANCE WITH THE
REQUIREMENTS OF THE
NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION
Signed Eric Thomas 6-5-14

ADVISE YOUR CONTRACTOR OF REQUIRED CHANGES IN PLANS AS INDICATED ON THIS CONDITIONAL APPROVAL.

PERC RATE: (N/A FOR AOS SYSTEM)

DESIGN LOADING: EXISTING 3 BEDROOM HOUSE
NO ADDITIONAL BEDROOMS PROPOSED
NO ADDITIONAL LOADING PROPOSED

AREA REQUIRED: 75–100 MINIMUM REQUIRED PER

AREA PROPOSED: 10' X 25' = 250 SF PROVIDED

NOTICE to the installer or owner. The Town of North Hampton requires this system to have a scarification (basal area) inspection. Contact the Building Inspector 24 hours prior to inspection at 964-8650.

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

LOCUS: 18 HOBBS ROAD
NORTH HAMPTON, NH
TAX MAP 14 LOT 23

RECEIVED
MAY 27 2014
ROCKINGHAM COUNTY
CONSERVATION DISTRICT

OWNER: RAIL & MELISSA MILIONE
18 HOBBS ROAD
NORTH HAMPTON, NH 03862

NEW HAMPSHIRE
Designer
of
Subsurface Disposal
Systems
* * *
Anne W. Bialobrzeski
No. 348
Department of Environmental Services

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843-1306

DATE: MAY 23, 2014

APPROVAL: _____

682

3 JUN 14
APPROVED
Town of North Hampton
Septic System Examiner

RECEIVED
JUN 05 2014
NHDES
LAND RESOURCES MANAGEMENT

THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF ENVIRONMENTAL SERVICES
LAND RESOURCES MANAGEMENT
SUBSURFACE SYSTEMS BUREAU
29 Hazen Drive, PO Box 95, Concord, NH 03302-0095
Phone: (603) 271-3501 Fax: (603) 271-6683
Website: http://des.nh.gov/organization/divisions/water/ssb/index.htm

APPLICATION FOR TRANSFER
RSA 485-A APPROVALS

1. APPROVAL NUMBER: CA2014117823

☐ SUBDIVISION APPROVAL ☒ CONSTRUCTION APPROVAL ☐ OPERATIONAL APPROVAL

2. PROPERTY REFERENCE

Transfer of Approvals.

All approvals issued under these rules (Env-Wq 1000) shall be transferable to any future owner(s) of the property for which the approval was issued. (Transfer in accordance with Administrative Rule Env-Wq 1004.10).

Transfer of Construction Approvals.

The department shall transfer a construction approval for which operational approval has not yet been issued from one owner to a new owner upon request of the new owner in accordance with Administrative Rule Env-Wq 1004.12 (a).

The undersigned certify that they are the present owners of the property formerly of

(former owner's name): RAIL & MELISSA MILIONE

and that they have read, viewed, and possess the prior approvals, plans, and any related conditions assigned thereto. The undersigned agree that they will abide by the previously issued approvals. The undersigned fully understand that the system must be constructed in strict accordance with these plans and that no waivers to this Construction Approval will be allowed. Any changes will require a new submission, review, and approval prior to any construction.

MY/OUR TITLE REFERENCE IS:

BOOK: 5537 PAGE(S): 2081 + 2082

COUNTY REGISTRY OF DEEDS: ROCKINGHAM

and briefly is for certain land known as MAP 14 LOT 23 situated in (town, New Hampshire.) NORTH HAMPTON

3. OWNER'S SIGNATURE

PRINTED NAME: Lauren Atwood Nathan Liebenow

ADDRESS: 18 Hobbs Rd North Hampton NH 03862

SIGNATURE: [signature] DATE: 6/12/14

FOR OFFICE USE ONLY (COPIES TO): ☐ TOWN ☐ OWNER ☐ DES FILE

APPROVAL FOR CONSTRUCTION

N.H. DEPARTMENT OF ENVIRONMENTAL SERVICES
SUBSURFACE SYSTEMS BUREAU
P.O. BOX 95, 29 HAZEN DRIVE, CONCORD, NH 03302-0095

APPROVAL NO. CA2014117823

THE PLANS AND SPECIFICATIONS FOR SEWAGE OR WASTE DISPOSAL SYSTEM SUBMITTED FOR:

OWNER:
LAUREN ATWOOD
18 HOBBS RD
NORTH HAMPTON NH 03862-

COPY SENT TO:
BUILDING INSPECTOR
233 ATLANTIC AVE
NORTH HAMPTON NH 03862

BY APPLICANT: PERMIT NO. 00348
STOCKTON SERVICES
PO BOX 1306
HAMPTON NH 03843-1306

Map No./Lot No.: 14 / 23
Subd. Appvl. No.: PRE67
Subd. Name:
County: ROCKINGHAM
Registry Book No.: 5537
Registry Page No.: 2081/2082
Probate Docket No.: (If Applicable)

Type of System: N
3 BR
400 GPD

Town/City Location: NORTH HAMPTON

Street Location: 18 HOBBS ROAD

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3. APPROVED WITH A PUBLIC WATER SYSTEM ONLY.

ADDITIONAL OWNERS:
NATHAN LIEBENOW 18 HOBBS RD NORTH HAMPTON NH 03862-

Approved this date: 06/05/2014 By: EMILY THOMAS
N.H. Department of Environmental Services Staff
Date amended: _____ Amended by: _____ (OVER)

REVISED 8/01

APPLICANT'S

20140711

APPROVAL FOR CONSTRUCTION

CA2014117823

N.H. DEPARTMENT OF ENVIRONMENTAL SERVICES
SUBSURFACE SYSTEMS BUREAU
P.O. BOX 95, 29 HAZEN DRIVE, CONCORD, NH 03302-0095

CA2014117823 APPROVAL NO.

THE PLANS AND SPECIFICATIONS FOR SEWAGE OR WASTE DISPOSAL SYSTEM SUBMITTED FOR:

OWNER: MELISSA/RAIL MILIONE
18 HOBBS RD
NORTH HAMPTON NH 03862-

COPY SENT TO:
BUILDING INSPECTOR
233 ATLANTIC AVE
NORTH HAMPTON NH 03862

BY APPLICANT· PERMIT NO. 00348

STOCKTON SERVICES
PO BOX 1306
HAMPTON NH 03843-1306

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Subd. Appvl. No.. PRE67
Subd. Name:
County· ROCKINGHAM
Registry Book No.: 5034
Registry Page No.. 051
Probate Docket No.. (If Applicable) N
Type of System: 3 BR
450 GPD
Town/City Location: NORTH HAMPTON
Street Location. 18 HOBBS ROAD

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Approved this date. 06/05/2014 By· ERIC J THOMAS
N.H. Department of Environmental Services Staff
Date amended. Amended by·

REVISED 8/01 (OVER)

201401711 APPLICANT'S

APPROVAL FOR CONSTRUCTION

CA2014117823

N.H. DEPARTMENT OF ENVIRONMENTAL SERVICES
SUBSURFACE SYSTEMS BUREAU
P.O. BOX 95, 29 HAZEN DRIVE, CONCORD, NH 03302-0095

CA2014117823 APPROVAL NO.

THE PLANS AND SPECIFICATIONS FOR SEWAGE OR WASTE DISPOSAL SYSTEM SUBMITTED FOR:

OWNER: LAUREN ATWOOD
18 HOBBS RD
NORTH HAMPTON NH 03862-

COPY SENT TO:
BUILDING INSPECTOR
233 ATLANTIC AVE
NORTH HAMPTON NH 03862

BY APPLICANT· PERMIT NO. 00348

STOCKTON SERVICES
PO BOX 1306
HAMPTON NH 03843-1306

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Subd. Appvl. No.. PRE67
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450 GPD
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ADDITIONAL OWNERS:
NATHAN LIEBENOW 18 HOBBS RD NORTH HAMPTON NH 03862-

Approved this date 06/05/2014 By· ERIC J THOMAS
N.H. Department of Environmental Services Staff
Date amended. Amended by:

REVISED 8/01 (OVER)

201401711 APPLICANT'S

Powered by Vision Government Solutions, Inc.

MBLU : 014/ 023/ 000/ / /

Location: 18 HOBBS RD

Owner Name: MILIONE, RAIL N. & MELISSA A.

Account Number: 014-023-000

Parcel Value

Item	Appraised Value	Assessed Value
Buildings	102,000	102,000
Xtra Bldg Features	2,400	2,400
Outbuildings	0	0
Land	133,500	133,500
Total:	**237,900**	**237,900**

Owner of Record

MILIONE, RAIL N. & MELISSA A.

Ownership History

Owner Name	Book/Page	Sale Date	Sale Price
MILIONE, RAIL N. & MELISSA A.	5034/ 51	7/17/2009	249,900
REID JAMES D	4890/0913	2/22/2008	0
REID JAMES D & MARY S	2697/1478	8/7/1987	0

Land Line Valuation

Size	Zone	Appraised Value	Assessed Value
0.42 AC	R1	133,500	133,500

Construction Detail

Building # 1

STYLE Ranch
Stories: 1 Story
Exterior Wall 1 Wood Shingle
Roof Structure: Gable/Hip
Roof Cover Asph/F Gls/Cmp
Interior Wall 1 Drywall/Sheet
Interior Flr 1 Hardwood
Heat Fuel Oil
Heat Type: Hot Water
AC Type: None
Total Bedrooms: 03
Total Bthrms: 1
Total Half Baths: 0

Building Valuation

Living Area: 1,124 square feet
Year Built: 1958
Depreciation: 22%
Building Value: 102,000

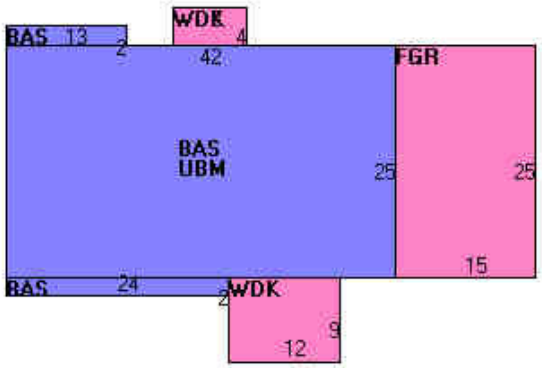
Extra Features

Code	Description	Units	Appraised Value
FPL1	FIREPLACE 1 ST	1 UNITS	2400

Outbuildings

Code	Description	Units	Appraised Value
No Outbuildings			

Building Sketch



Subarea Summary

Code	Description	Gross Area	Living Area
BAS	First Floor	1124	1124
FGR	Garage,Framed	375	0
UBM	Basement, Unfinished	1050	0
WDK	Deck, Wood	140	0

Printed from Internet for on 5/21/2014

BK 5034 PG 0051

MAIL TO

After Recording Return To:
Rail N. Milione
Melissa A. Milione
18 Hobbs Road
North Hampton, NH 03862
09-CN-01656

C/H
L-CHIP
ROA041561

STATE OF NEW HAMPSHIRE
DEPARTMENT OF REVENUE ADMINISTRATION
REAL ESTATE TRANSFER TAX
3 THOUSAND 7 HUNDRED AND 49 DOLLARS
MO. DAY YR. 072209 873098 AMOUNT $3749.00
VOID IF ALTERED

[Space Above This Line For Recording Data]

035560

2009 JUL 17 AM 10:57

ROCKINGHAM COUNTY
REGISTRY OF DEEDS

WARRANTY DEED

KNOW ALL MEN BY THESE PRESENTS, That I, **James D. Reid, single,** with a mailing address of 93 State Street, Portsmouth, NH 03801 for consideration paid grants to **Rail N. Milione and Melissa A. Milione, husband and wife,** with a mailing address of 18 Hobbs Road, North Hampton, NH 03862 as Joint Tenants with Rights of Survivorship, with Warranty Covenants:

A certain tract or parcel of land, with any buildings or improvements thereon, situated in North Hampton, County of Rockingham and State of New Hampshire, on the Southerly side of Hobbs Road, so called, and being known as Lot #1 and a 13.71 foot strip adjoining aforesaid Lot #1 on plan entitled "A.H. Finan, Subdivision, North Hampton, N.H." July 21, 1958 by Richard G. Haight, C.E., bounded and described as follows:

Beginning at the Northeasterly corner of the premises herein conveyed in a stone wall on the Southerly side of Hobbs Road; thence running South 22° 29' W along land, now or formerly, of Norman Leavill as shown on said plan, 172.58 feet to a point; thence turning and running North 77° 53' W along land, now or formerly, of Alexander H. Finan and Norma E. Finan 89.34 feet to the southeasterly corner of Lot #2 on said plan; thence turning and running North 14° 43' E along said Lot #2, 190.65 feet in the Northeasterly corner of Lot #2 in the aforesaid stone wall on the Southerly side of Hobbs Road; thence turning and running South 67° 24' S along said Hobbs Road, 113.71 feet to the point of beginning.

Meaning and intending to describe and convey the same premises as conveyed to James D. Reid by deed dated February 22, 2008 and recorded in Volume 4890, Page 913, of the Rockingham County Registry of Deeds.

Initials

Exeter + EPPING SEPTIC TANK SERVICE

Pumped, Serviced, Installed, NH Licensed Certified Inspections
82 Camp Lee Road, Epping, NH 03042
Phone: 603.659.5382 Fax: 603.659.2649

(1100) $150

Septic System Inspection/Evaluation Report

Evaluation Procedure:

1. Pump out septic tank, listen and observe for backflow into the tank from the outlet pipe.
2. Inspect the condition of the tank for cracks, infiltration, deterioration and damage.
3. Inspect/Probe the disposal field to determine its location and to check for excessive moisture, odor, and/or effluent.

This septic System Inspection/Evaluation Report shall not be construed as a warranty that the system will function properly. Because of the numerous factors (usage, soil characteristics, previous failures, etc.) which may effect the proper operation of a septic system, Epping Septic Tank Service disclaims any warranty, either expressed or implied, arising from the evaluation and inspection of the wastewater system on this report.

Date of Evaluation: 5/15/14

Client Information

Client's Name: Nathan Liebenow
Mailing Address: 48 Brookside Drive
Town: Stratham State: NH Zip: 03885
Phone #: 918-6081 Fax #:
Realtor's Name: Bridget Hayward Phone #: Bean Group
Property Address: 18 Hobbs Road Town: North Hampton
Age of House/Building: 1958 System Age: N/A
Original Septic System: Y / N ~~not available~~
Information Source: Seller / Realtor / Other: Buyer Nathan Liebenow
Recent Nr Occupants: 2 Year Round: Y / N
Anticipated Nr Occupants: 2 Year Round: Y / N
Nr Bedrooms: 3
Currently Occupied: Y / N Vacant Since:
Tank Last Pumped: 1 yr
Water Softener System: Y (N) not available Garbage Disposal: Y (N) not available
Separate Drywell/Drain for Water Softener System: Y / N / not available
Water softeners should not be backwashed into septic systems.

Septic Tank: Concrete / Steel / Fiberglass
Size: 500 / 750 (1,000) / 1,250 / 1,500 / 2,000 / gallons or other:
Depth of Tank:
Are risers needed?: Y / (N)
Should have no more than 12" of cover.
Condition of Tank: Excellent / (Good) / Fair
Overdue to be Pumped / Other:
Pump Station: Y (N)
Filter Presence: Y (N)
Does it need cleaning: ~~Y / N~~

Baffles
Inlet Baffle Present: Y (N)
Type: Concrete / Plastic / PVC Tee / Other:
Condition: Good / Fair
Secure: Y / N
Outlet Baffle Present: (Y) / N
Type: Concrete / Plastic (PVC Tee) / Other:
Condition: (Good) / Fair
Secure: (Y) / N

Absorption System:
Cesspool / Drywell / Trench / (Stone & Pipe Leach Field)
Concrete Chambers / Plastic Chambers / Fabric
Wrapped Tubes / Eljen In-Drains / Other:
Any sewage noticeable on surface of system? Y (N)

System Condition

Good: This system is typically in its early age, with no evidence of past flooding or high effluent.

Fair: This system is typically in its middle age. Has had ponding on the bottom, showing some signs of use and aging.

Poor: This system is nearing the end of its useful life, under the current load. It is not yet failing, but may be in need of replacement soon.

Failing: Failure is imminent, should be addressed immediately. State of NH rules defines failure as "...the condition produced when a subsurface sewage or waste disposal system does not properly contain or treat sewage or causes or threatens to cause the discharge of sewage on the ground surface or into adjacent ground water's or surface waters."

Notes: Water level in field is above the layer of stone. System also has a large amount of roots when the field does go into failure it will need to be updated to current State & town spec.

Inspected By: Chris MacDonnell Lic # 38

NEW HAMPSHIRE SEPTIC SYSTEM CERTIFIED EVALUATOR

ADVANCED ONSITE SOLUTIONS LLC
PO Box 248
Canterbury, NH 03224
(603)-783-8042
Toll Free: (866) 900-2415

May 22, 2014

Rail & Melissa Milione
18 Hobbs Road
North Hampton, NH 03862

Dear Rail & Melissa Milione:

We have enclosed the Sales and the Inspection Agreement for ***THE CLEAN SOLUTION™*** system. The system has been sized for your existing 3-bedroom single-family home located at 18 Hobbs Road in North Hampton, NH.

The agreements describe ***THE CLEAN SOLUTION*** system, the required inspections, maintenance, and the cost of the system components.

Attachments:

1. Sales Agreement and Inspection Contract for your records.

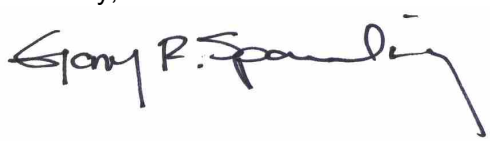
2. **Inspection Agreement (2 copies)** - Return one signed copy to your designer. This copy will be sent to NHDES with your subsurface disposal for review. NHDES requires it for their records to show that you have been made aware of the inspection and maintenance.

3. **Sales Agreement –** Please sign and return with the initial payment to AOS three weeks prior to the system being installed. This time is need to order the tank and system components.

When you return the above documentation to AOS please provide us with your installer's name and contact information. Once we have this information AOS will coordinate with your installer on the installation date.

Thank you for choosing ***THE CLEAN SOLUTION*** alternative septic system. We look forward to working with you. Please call if you would like to discuss the system or the sales agreement.

Sincerely,



Gary R. Spaulding
General Manager, Advanced Onsite Solutions, LLC

Email gary@aosne.com
www.aosne.com

ADVANCED ONSITE SOLUTIONS LLC
PO Box 248
Canterbury, NH 03224
(603)-783-8042
Toll Free: (866) 900-2415

SALES AGREEMENT
May 22, 2014

BUYER:
Name: Rail & Melissa Milione
Address: 18 Hobbs Road
City, State Zip: North Hampton, NH 03862
Phone:
Cell:
Email:

OWNER-IF DIFFERENT:
Name:
Address:
City, State Zip:
Phone:
Cell:
Email:

Please complete all missing information

SITE:
Property ID: Tax Map 14 Lot No. 23
Address: 18 Hobbs Road
City, State Zip: North Hampton, NH 03862

Waterbody: na

Design Flow: 450 gpd
Number of Bedrooms: 3

Designer Information:
Stockton Services
P.O. Box 1306
Hampton, NH 03843-1306

Advanced Onsite Solutions LLC (AOS) will supply ***THE CLEAN SOLUTION™*** Sewage Treatment System for the above site based on design parameters provided by the designer / owner and subsurface disposal plan(s) submitted to AOS by a licensed designer. Change of use that results in an increase in daily flow or wastewater strength will impact the performance of ***THE CLEAN SOLUTION***. The owner(s) or the owner(s) representative(s) is responsible for obtaining all required state and local approvals.

This Sales Agreement is subject to the following conditions:

1. The buyer will provide AOS with copies of the approved plans.
2. The buyer will hire a qualified installer licensed for Subsurface Disposal.
3. This agreement includes a required inspection agreement. Owner understands that failure to perform the required maintenance may result in premature dispersal field failure.

AOS will provide the following:
THE CLEAN SOLUTION **system model: 250ST-R3**

Tank Type:	☒ **Concrete**	☐ Plastic
Loading Requirements:	☒ **Standard Duty**	☐ Heavy duty ☐ H-20 duty
Air Line	☒ **1/2 " dia.**	☐ 3/4 " dia.
Access Risers:	☐ Plastic Risers to 6"	☐ Plastic Risers to 12"
	☐ Plastic Risers to 18"	☐ Plastic Risers to 24"
Additional Components:	☒ **Compressor Shelf**	☐ Compressor Outdoor Enclosure
	☐ Compressor Alarm	
	☐ STF-100 pressure filter	☐ Pressure alarm switch
	☐ Tank Sealing	

Email custserv@aosne.com
www.aosne.com

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PO Box 248
Canterbury, NH 03224
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Toll Free: (866) 900-2415

ELECTRICAL REQUIREMENTS:

Owner shall be responsible for hiring a licensed electrician. A 120-volt outlet, non-ground fault interrupted circuit, supplying 5 amps per compressor. Location of the outlet(s) shall be within 50' of ***THE CLEAN SOLUTION*** system and within 4' of the compressor.

FOLLOWING PROVIDED BY OTHERS:

- Septic tanks if required
- Pump Chamber if required
- Effluent pump, all pump controls and electrical disconnect switch
- Exterior Venting may be required for older homes
- Exterior Venting is required for systems where effluent is pumped to ***THE CLEAN SOLUTION*** system
- Excavation for installing system components
- Construction of the dispersal field
- Piping to and from ***THE CLEAN SOLUTION*** system

OWNER HAS THE FOLLOWING UNDERSTANDING:

- Failure to install the subsurface disposal system according to the approved plan will void system warranty and performance specifications.
- The owner's contractor shall ensure that all risers are watertight and all system components, both upstream and downstream of ***THE CLEAN SOLUTION*** system, are watertight to prevent infiltration from groundwater and surface runoff.
- ***THE CLEAN SOLUTION*** system has not been designed to handle backwash discharge from Water Softeners or other high water use fixtures such as hot tubs or spa style showers. Discharge water from high water use fixtures to be discharged into an approved drywell.
- If the subsurface disposal system requires an effluent pump, the pump chamber shall be inspected annually for sludge buildup and pumped as necessary.

MAINTENANCE SUGGESTIONS:

There is ongoing concern that pharmaceuticals, medical treatments, and personal care products impact how a septic system functions. Studies have shown that these products can disrupt the balance of bacteria in the septic tank, reducing the septic tank's efficiency to break down waste. The following is recommended:

1. The EPA suggests that unused pharmaceuticals, either prescription or over the counter medicines, not be disposed of in the septic system. Check with your local pharmacy to see if it has a program to dispose of unused medicines.
2. If a resident of the home is undergoing medical treatment with high strength antibiotics, the system should be inspected annually to determine a proper maintenance schedule.

PERFORMANCE SPECIFICATIONS:

THE CLEAN SOLUTION system has been designed based on the following standard residential wastewater influent strength from primary septic tank(s) - BOD_5 of 140-180 mg/l, TSS 100-150 mg/l and FOG <5 mg/l.

Email custserv@aosne.com
www.aosne.com

ADVANCED ONSITE SOLUTIONS LLC
PO Box 248
Canterbury, NH 03224
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Toll Free: (866) 900-2415

LIMITED WARRANTY

For a period of 5-years from the date of installation, AOS warrants that the components within the BioCon chamber will be free from defects. If a defect exists, AOS will repair or replace the defective components at no cost to the owner. This limited warranty does not cover the cost of pumping the system to make necessary repairs, or the cost for excavation to replace or make repairs, or replacement of landscaping features. This limited warranty does not cover failure of the dispersal field(s). AOS does not warrenty THE CLEAN SOLUTION system or components installed by others.

For compressors that have been maintained and used under normal operating conditions, AOS will extend the compressor manufacturer's warranty from one year to two years. Labor to replace compressors will be billed out at AOS standard hourly rates.

EXCLUSIONS AND LIMITATIONS

This limited warranty for pump chamber components (pump, floats, alarms, etc) if supplied by AOS is limited to the manufacturer's terms and conditions. Labor to replace effluent pump/floats/alarms will be billed out at AOS standard hourly rates.

It is the owner's responsibility to ensure that inspections are performed by AOS or an AOS-approved vendor. Failure to perform a timely inspection, or to perform the required maintenance, maintain records of pumping or to notify AOS of any problems will void this limited warranty. This limited warranty does not cover damage caused by improper use by the occupants, poor construction or design practices, high groundwater, flooding, or acts of God.

Owner shall defend, indemnify, and hold harmless AOS and its employees and subcontractors, from and against any and all claims, demands, causes of action, damages, liabilities, losses, and expenses arising from the project and/or the contract to the extent caused by the fault of Owner and/or its consultants, design professionals, or agents.

THIS LIMITED WARRANTY IS IN LIEU OF AND SUPERSEDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED.

*AOS SHALL NOT BE LIABLE FOR ANY DIRECT OR INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, NOR SHALL AOS LIABILITY UNDER THIS WARRANTY EXCEED THE AMOUNT PAID TO AOS FOR **THE CLEAN SOLUTION SYSTEM**.*

Email custserv@aosne.com
www.aosne.com

ADVANCED ONSITE SOLUTIONS LLC
PO Box 248
Canterbury, NH 03224
(603)-783-8042
Toll Free: (866) 900-2415

Sales Agreement

The agreed upon price for THE CLEAN SOLUTION system is:	**$ 6,900.00**
State Sales Tax if applicable: (VT, ME, MA):	**-**
Additional Components: -	**-**
Delivery	**-**
Total Due:	**$ 6,900.00**
Payment schedule is as follows:	
FIRST PAYMENT upon signing this agreement	**$ 3,450.00**
FINAL PAYMENT payable on the day of installation	**$ 3,450.00**

If the AOS technician has to return to complete the scheduled installation because the site is not properly prepared, Buyer agrees to pay AOS $80.00/man hour for subsequent visit(s).

Failure to pay in full will void all warrantees. Buyer agrees to pay all costs and expenses incurred by AOS, including all attorney fees, and all collection charges (including a percentage of the outstanding balance of this Contract) should the account be referred to a collection agency.

THIS SALES AGREEMENT IS VALID FOR 60 DAYS FROM THE DATE OF THIS DOCUMENT. ALL SYSTEM COMPONENTS MUST BE INSTALLED WITHIN 60 DAYS OF INITIAL DEPOSIT. FAILURE TO INSTALL THE SYSTEM COMPONENTS WITHIN 60 DAYS MAY RESULT IN ADDITIONAL CHARGES.

Please send payment to:
ADVANCED ONSITE SOLUTIONS LLC
P.O. BOX 248
CANTERBURY, NH 03224

By signing below the owner or owner's representative has read the SALES AGREEMENT and attached INSPECTION AGREEMENT and agrees to the terms of the SALES AND INSPECTION AGREEMENTS and to perform the necessary inspections and maintenance outlined in the INSPECTION AGREEMENT.

ACCEPTED BY:

DATE:

Name:	Rail & Melissa Milione
Address:	18 Hobbs Road
City, State Zip:	North Hampton, NH 03862
Phone:	
Cell:	
Email:	

PLEASE PROVIDE ALL INFORMATION REQUESTED ABOVE

Email custserv@aosne.com
www.aosne.com

ADVANCED ONSITE SOLUTIONS LLC
PO Box 248
Canterbury, NH 03224
(603)-783-8042
Toll Free: (866) 900-2415

RESIDENTIAL
NEW HAMPSHIRE INSPECTION AGREEMENT
May 22, 2014

OWNER:	
Name:	Rail & Melissa Milione
Address:	18 Hobbs Road
City, State Zip:	North Hampton, NH 03862
Phone:	
Cell:	
Email:	

Please complete all missing information

SITE:	
Property ID:	Tax Map 14 Lot No. 23
Address:	18 Hobbs Road
City, State Zip:	North Hampton, NH 03862
Waterbody:	na
Design Flow:	450 gpd
Number of Bedrooms:	3

The following inspection and maintenance is required. It is the owner's responsibility to see that this maintenance is performed.

☒ **Residential Use (Single Family Home)**

1. If the Individual Subsurface Disposal System (ISDS) is a gravity system, ***THE CLEAN SOLUTION*** system shall be inspected every 2 years by a certified AOS Technician.
2. If the ISDS utilizes the settling chamber as a pump chamber, AOS requires that a certified AOS Technician inspect ***THE CLEAN SOLUTION*** system annually.
3. After the inspection, you may need to contact your septic pumper to pump out the septic and settling/pump tanks. Maximum time between pumping should not exceed 2 years. More frequent pumping may be required depending on system use and number of occupants. Owner must retain records of pumping.
4. Compressor must run continuously. It should be checked for operation at least once a month unless a compressor alarm has been installed. Compressor Air Filter to be cleaned or replaced yearly. If the Compressor is located in a dusty environment the filter will need to be cleaned more frequently
5. An AOS Technician will determine when the BioCon™ chamber will need pumping. Typical residential use requires BioCon Chamber to be pumped and cleaned every 5 to 7 years.
6. Compressor may be disconnected for seasonal homes that have been winterized.

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Additional Maintenance Suggestions:

There is ongoing concern that pharmaceuticals, medical treatments, and personal care products impact how a septic system functions. Studies have shown that these products can disrupt the balance of bacteria in the septic tank, reducing the septic tank's efficiency to break down waste.

The following is recommended:

1. The EPA suggests that unused pharmaceuticals, either prescription or over the counter medicines, not be disposed of in the septic system. Check with your local pharmacy to see if it has a program to dispose of unused medicines.
2. If a resident of the home is undergoing medical treatment with high strength antibiotics, the system should be inspected annually to determine the proper maintenance schedule.

This Inspection service includes the following: Inspection Report, Replacing Compressor Filter, replacement of failed system components within the BioCon and Settling Chambers that are covered under warranty provided by AOS. The cost of pumping out the tank(s) to perform the necessary repairs or components required to make repairs is not included in the inspection fee.

The inspection fee does not cover routine maintenance of the BioCon Chamber (pumping and cleaning)

Failure to have an inspection agreement with AOS or an approved vendor will void warranty outlined in the **Sales Agreement provided by AOS. AOS does not warranty THE CLEAN SOLUTION systems or system components that have been installed by others.**

INSPECTION FEE SCHEDULE

Single Family Residential Homes – The current fee is $200.00 per inspection plus the cost of replacement parts not covered by warranty.

AOS may adjust the Inspection fees as needed to cover increase in cost of service and goods (i.e. Fuel).

Inspection fees are payable at time of service.

By signing below, the owner or owner's representative warrants that s/he has read and agrees to the terms of the SALES and INSPECTION AGREEMENTS, and agrees to perform the necessary inspections and maintenance outlined.

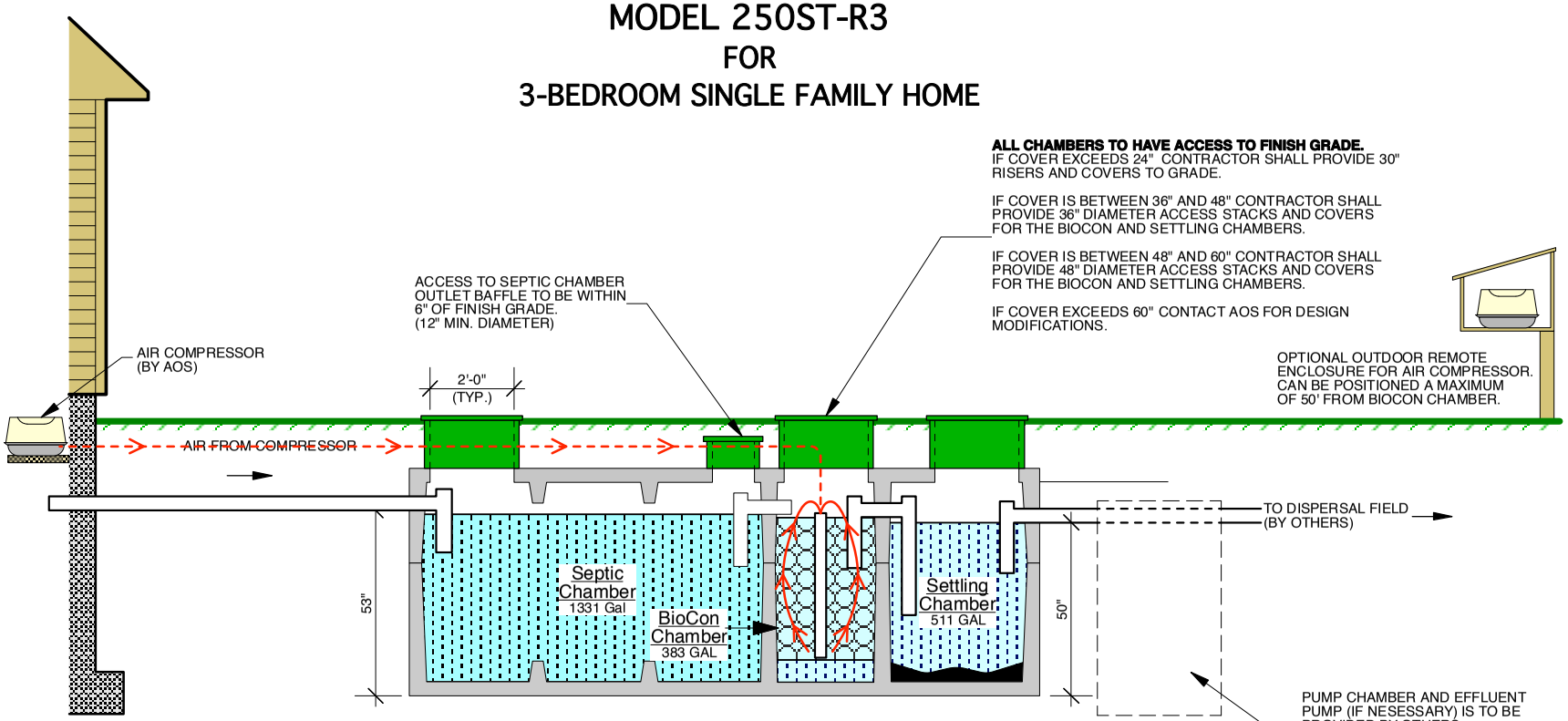
ACCEPTED BY:

DATE:

Name:	Rail & Melissa Milione
Address:	18 Hobbs Road
City, State Zip:	North Hampton, NH 03862
Phone:	
Cell:	
Email:	

PLEASE PROVIDE ALL INFORMATION REQUESTED ABOVE

THE CLEAN SOLUTION™ ALTERNATIVE SEPTIC SYSTEM
MODEL 250ST-R3
FOR
3-BEDROOM SINGLE FAMILY HOME


ALL CHAMBERS TO HAVE ACCESS TO FINISH GRADE.
IF COVER EXCEEDS 24" CONTRACTOR SHALL PROVIDE 30" RISERS AND COVERS TO GRADE.
IF COVER IS BETWEEN 36" AND 48" CONTRACTOR SHALL PROVIDE 36" DIAMETER ACCESS STACKS AND COVERS FOR THE BIOCON AND SETTLING CHAMBERS.
IF COVER IS BETWEEN 48" AND 60" CONTRACTOR SHALL PROVIDE 48" DIAMETER ACCESS STACKS AND COVERS FOR THE BIOCON AND SETTLING CHAMBERS.
IF COVER EXCEEDS 60" CONTACT AOS FOR DESIGN MODIFICATIONS.
ACCESS TO SEPTIC CHAMBER OUTLET BAFFLE TO BE WITHIN 6" OF FINISH GRADE. (12" MIN. DIAMETER)
AIR COMPRESSOR (BY AOS)
2'-0" (TYP.)
OPTIONAL OUTDOOR REMOTE ENCLOSURE FOR AIR COMPRESSOR. CAN BE POSITIONED A MAXIMUM OF 50' FROM BIOCON CHAMBER.
AIR FROM COMPRESSOR
TO DISPERSAL FIELD (BY OTHERS)
Septic Chamber 1331 Gal
BioCon Chamber 383 GAL
Settling Chamber 511 GAL
53"
50"
PUMP CHAMBER AND EFFLUENT PUMP (IF NESESSARY) IS TO BE PROVIDED BY OTHERS. PUMP TO BE SET ON A 8" HIGH CONCRETE BLOCK

Septic/BioCon/Settling Tank

- Provided by AOS-

2,225 GAL 3-Compartment Tank

(15'0"L x 6'6"W x 65"H)

Tank from:

Phoenix Precast Products
Concord, NH 03301
1-800-639-2199

NOTES:

1. Septic Tank & Settling Compartment and Pump Chamber must be pumped every 2 years. More frequent pumping may be required depending on use.
2. Tank is not suitable for drive on use. Heavy Duty and H-20 models available.
3. Contractor to verify tank dimensions prior to setting.
4. Plastic risers provided by AOS up to 6". Based on design plans
   Contractor to provide additional risers to finish grade if cover over tank exceeds 6". See above for depth requirements

Site: Tax Map 14 Lot No. 23 18 Hobbs Road North Hampton, NH 03862	Owner: Rail & Melissa Milione 18 Hobbs Road North Hampton, NH 03862	Date 05/22/2014 Rev.	AOS

Advanced Onsite Solutions LLC
innovative wastewater solutions with sustainable results
P.O.Box 248
Canterbury, NH 03224
Phone 603.783.8042

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ADVANCED ONSITE SOLUTIONS LLC
PO Box 248
Canterbury, NH 03224
(603)-783-8042
Toll Free: (866) 900-2415

THEORY of *THE CLEAN SOLUTION™*

Conventional decentralized septic systems whether used for individual homes, commercial applications or a community septic system a septic tank(s) are used to first provide anaerobic (without air) treatment of the waste which is then followed by a leach field to provide aerobic (with air) treatment of the effluent.

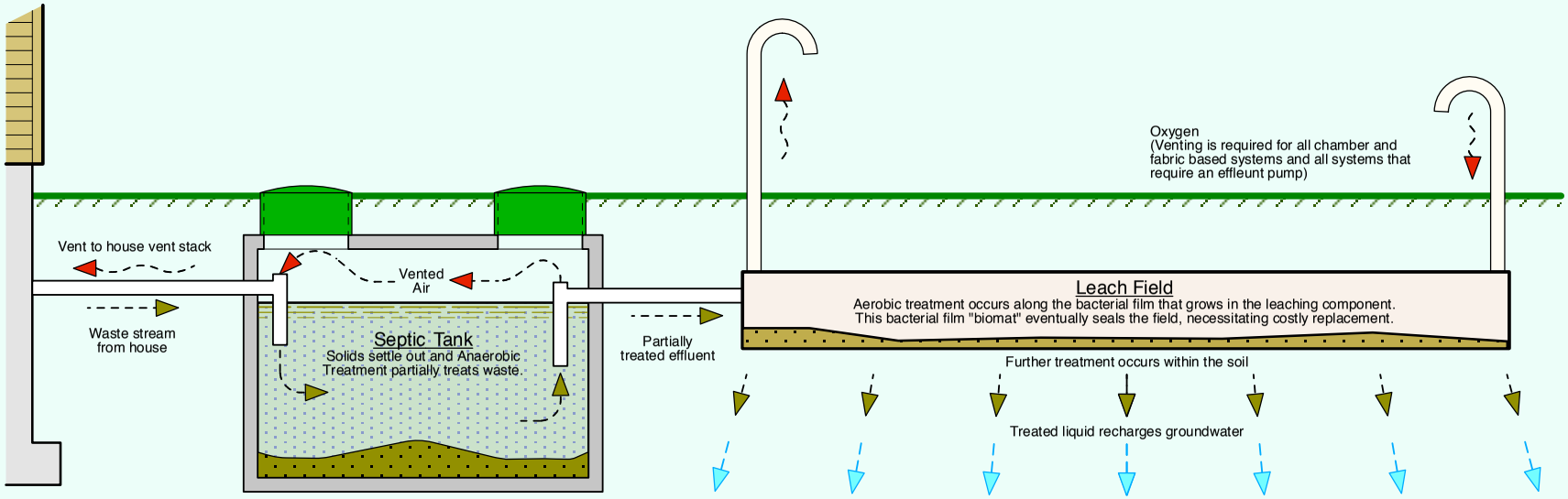
Septic tanks work well for capturing and digesting the solids, which are anaerobically fermented over a long period of time, dissolving the solids into liquid waste. However, a septic tank is not designed to treat the contaminants that dissolve in the liquids. These are treated aerobically in the leach field. Municipal systems, which handle very large volumes of wastewater, use different equipment to accomplish the same biological functions as a septic system: primary sedimentation tanks remove solids, and a subsequent aerobic system treats the contaminants dissolved in the liquids. Settled solids are removed from municipal primary and secondary facilities for further treatment.

Every aerobic treatment system, whether a conventional leach field, municipal treatment plant, or ***THE CLEAN SOLUTION***, depends on bacteria to treat the effluent from a solids settling system. In order for the bacteria to reproduce, they require energy (food) and air. By using the contaminants in the effluent as food and atmospheric air, the bacteria metabolize the dissolved solids to carbon dioxide, water, and sludge (colonies of bacteria). The aerobic bacteria also convert ammonia compounds to nitrates.

A large number of bacteria need to come in contact with the food source in order to purify an effluent. Treatment systems utilize different methods to provide the necessary bacteria population. A municipal system mechanically stirs up the bacteria in the secondary treatment process so that they will contact their food and not settle out of the effluent. In a leach field, the sludge (biomat) that forms at the ground interface is a large colony of bacteria through which the dissolved solid stream flows. In ***THE CLEAN SOLUTION*** the bacteria collect in a thin film on the plastic media in the BioCon chamber, and the effluent circulates through the plastic media.

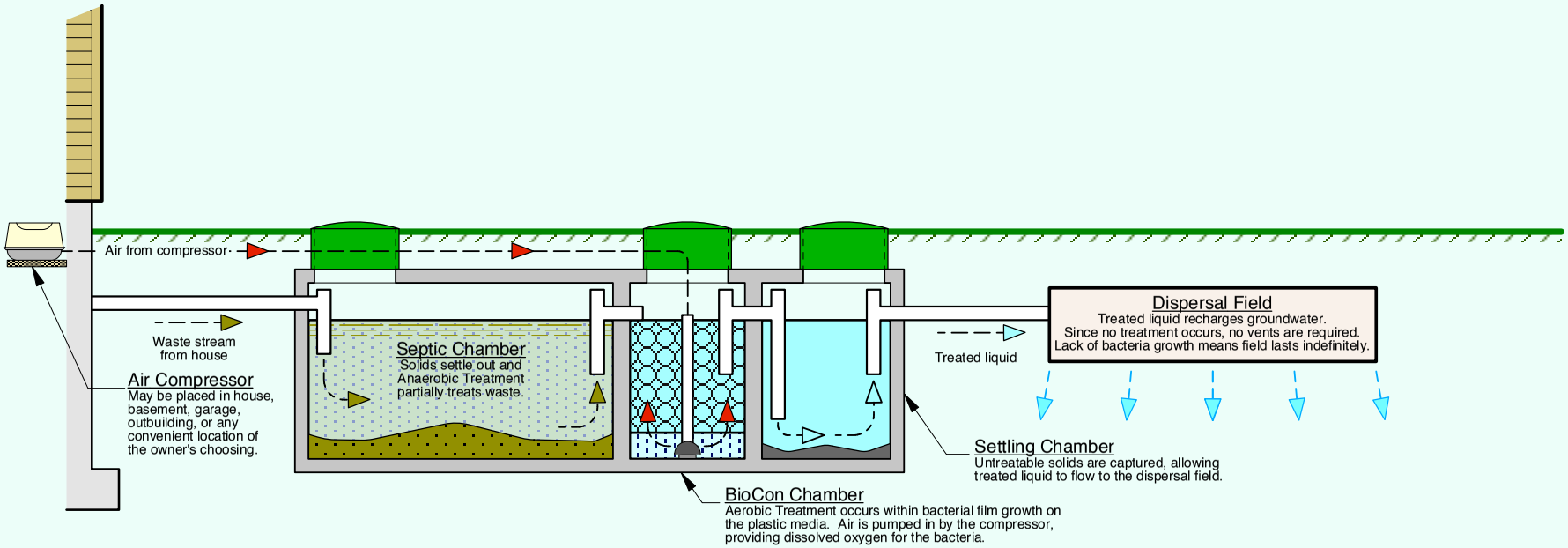
THE CLEAN SOLUTION uses the same biological process as a municipal secondary treatment plant, utilizing the activated sludge process. Solids are settled out and air is added for bacteria respiration in the BioCon. This allows the bacteria to convert the carbonaceous dissolved solids to carbon dioxide, water, and sludge. In addition, the urea and ammonia converts to nitrates and sludge. The sludge created is settled for periodic removal from the system, and a clean, odorless effluent is discharged to the dispersal field.

The major difference between a conventional septic system and ***THE CLEAN SOLUTION*** is where the bacteria (sludge) collect. In a conventional system, the sludge forms in the bottom of the leach field and restricts the effluent flow enough so that the bacteria has time to act. This flow rate through the sludge determines the required field size. In ***THE CLEAN SOLUTION*** system the sludge is formed in the BioCon chamber, resulting in treated, clear effluent discharging to the dispersal field. This field can be greatly reduced in size because there is no further treatment required to reduce BOD and TSS.


Oxygen
(Venting is required for all chamber and fabric based systems and all systems that require an effleunt pump)
Vent to house vent stack
Vented Air
Waste stream from house
Septic Tank
Solids settle out and Anaerobic Treatment partially treats waste.
Partially treated effluent
Leach Field
Aerobic treatment occurs along the bacterial film that grows in the leaching component. This bacterial film "biomat" eventually seals the field, necessitating costly replacement.
Further treatment occurs within the soil
Treated liquid recharges groundwater

CONVENTIONAL LEACH FIELD SEPTIC SYSTEM

Treatment occurs within the leach field components, whether fabric wrapped pipes or mats, concrete or plastic chambers or traditional pipe & stone.


Air from compressor
Waste stream from house
Air Compressor
May be placed in house, basement, garage, outbuilding, or any convenient location of the owner's choosing.
Septic Chamber
Solids settle out and Anaerobic Treatment partially treats waste.
Treated liquid
Dispersal Field
Treated liquid recharges groundwater. Since no treatment occurs, no vents are required. Lack of bacteria growth means field lasts indefinitely.
Settling Chamber
Untreatable solids are captured, allowing treated liquid to flow to the dispersal field.
BioCon Chamber
Aerobic Treatment occurs within bacterial film growth on the plastic media. Air is pumped in by the compressor, providing dissolved oxygen for the bacteria.

THE CLEAN SOLUTION™ ALTERNATIVE SEPTIC SYSTEM

Treatment occurs within the BioCon™ Aerobic treatment chamber, allowing for a dispersal area smaller than a leach field.

Advanced **O**nsite **S**olutions LLC
innovative wastewater solutions with sustainable results
P.O. Box 248
Canterbury, NH 03224
Phone 603.783-8042
www.thecleansolution.com

765-2663

Nancy Hobbs Road

Bridget Hayward

18 Hobbs Road

Milione owner

Map 14 Lot 23

5034-051

Lot 1 and 13.71 foot strip

A Turan Subdivision

plan not recorded

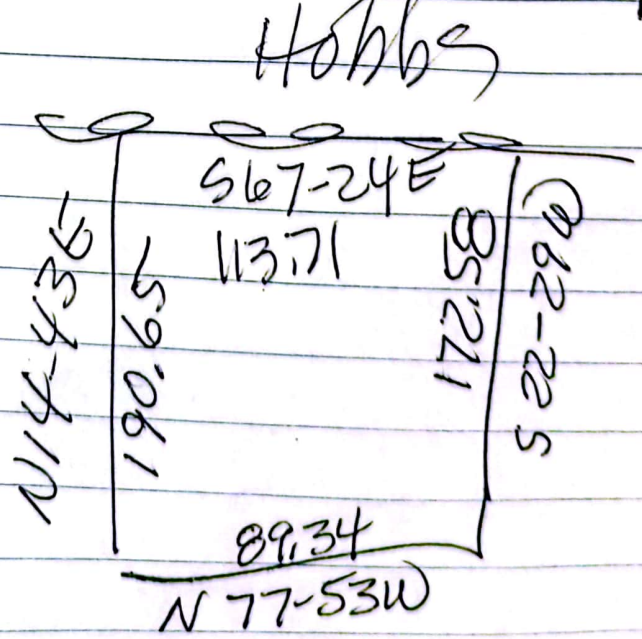
NO design file

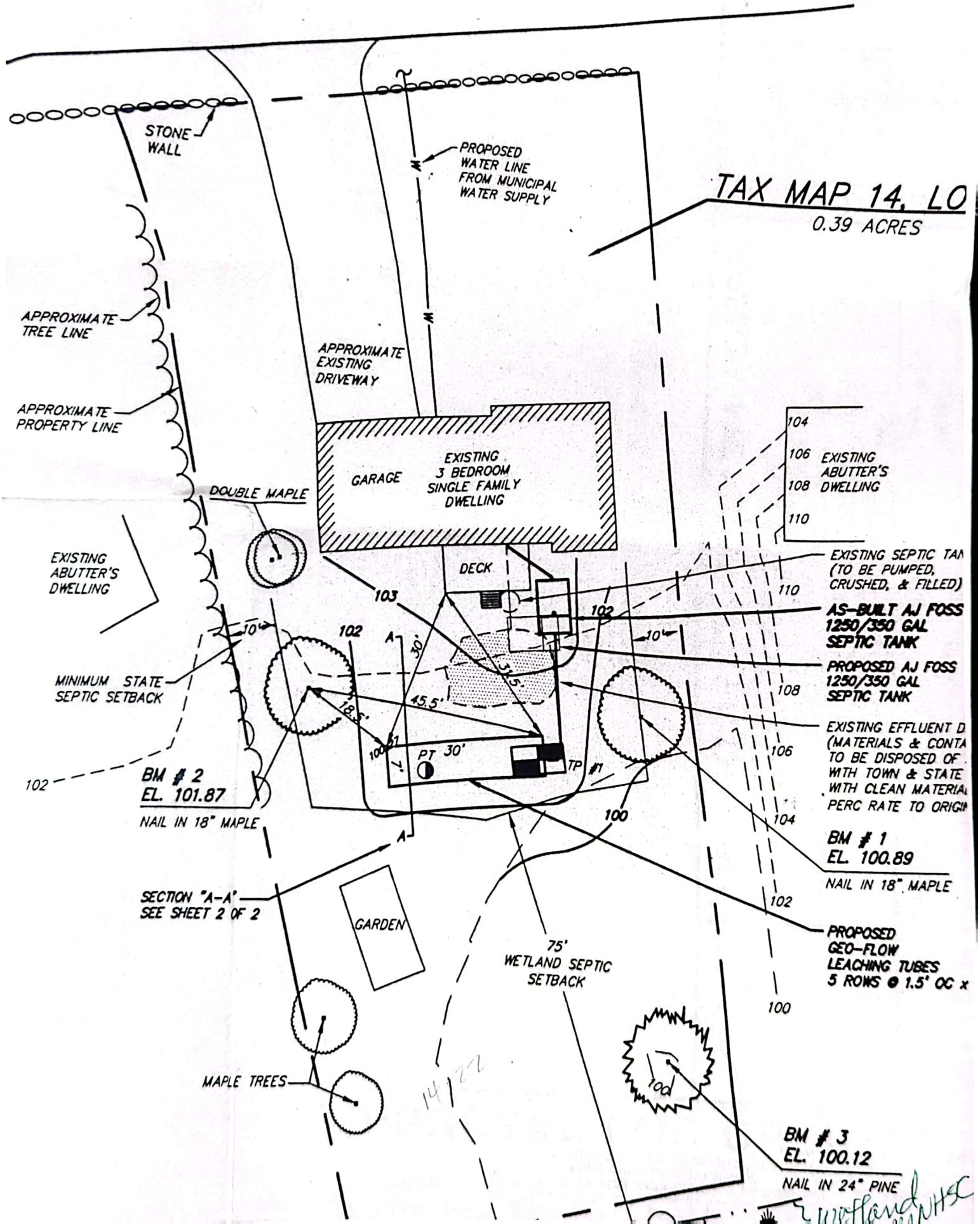
489-913

2697-1478

1517-097

1959




HOBBS ROAD
STONE WALL
PROPOSED WATER LINE FROM MUNICIPAL WATER SUPPLY
TAX MAP 14, LO
0.39 ACRES
APPROXIMATE TREE LINE
APPROXIMATE PROPERTY LINE
APPROXIMATE EXISTING DRIVEWAY
GARAGE
EXISTING 3 BEDROOM SINGLE FAMILY DWELLING
DOUBLE MAPLE
EXISTING ABUTTER'S DWELLING
DECK
EXISTING ABUTTER'S DWELLING
EXISTING SEPTIC TAN
(TO BE PUMPED, CRUSHED, & FILLED)
AS-BUILT AJ FOSS 1250/350 GAL SEPTIC TANK
PROPOSED AJ FOSS 1250/350 GAL SEPTIC TANK
EXISTING EFFLUENT D
(MATERIALS & CONTA
TO BE DISPOSED OF
WITH TOWN & STATE
WITH CLEAN MATERIA
PERC RATE TO ORIGI
MINIMUM STATE SEPTIC SETBACK
10'
30'
31.5'
45.5'
18.5'
PT
TP #1
BM # 2
EL. 101.87
NAIL IN 18" MAPLE
BM # 1
EL. 100.89
NAIL IN 18" MAPLE
SECTION "A-A"
SEE SHEET 2 OF 2
GARDEN
75'
WETLAND SEPTIC
SETBACK
PROPOSED GEO-FLOW LEACHING TUBES 5 ROWS @ 1.5' OC x
MAPLE TREES
BM # 3
EL. 100.12
NAIL IN 24" PINE
100
102
103
104
106
108
110